

CLAIMS

What is claimed is:

1. A system for at least one of specializing, replacing, and adding services of a service oriented architecture, the system comprising:

a core product for utilization by a customer, the core product being generic in nature; and

a framework for at least one of specializing, replacing, and adding services of the core product, wherein the at least one of specializing, replacing, and adding services does not include alteration of the core product.

2. The system of claim 1, wherein the framework comprises:

an existing service implementation as defined in an XML configuration;

a service client for requesting a service implementation;

a service factory for creating the service implementation; and

a service interface for allowing access to the service implementation by the service client.

3. The system of claim 2, wherein, if the existing service implementation is specialized, a new custom service implementation is created and the existing service implementation is subclassed.

4. The system of claim 3, wherein select methods of the existing service implementation are overridden by the new custom service implementation.

5. The system of claim 2, wherein, if the existing service implementation is replaced, a new custom service implementation is created and the existing service implementation is replaced with the new custom service implementation.
6. The system of claim 2, wherein, if a new custom service is added, a new custom service implementation, a new custom service factory, a new custom service client, and a new custom service interface are created.
7. The system of claim 1, further comprising at least one middleware for accessing a particular service.
8. The system of claim 7, wherein the at least one middleware comprises at least one of Web Services, EJB local access, EJB remote access, local Java call access, and MDB message queue access.
9. The system of claim 7, wherein middleware bindings for the at least one middleware are automatically generated during a build operation.
10. The system of claim 9, wherein the middleware bindings are generated via templates.
11. The system of claim 10, wherein a middleware binding for a new middleware is generated automatically via a new template.

12. A method for at least one of specializing, replacing, and adding services of a service oriented architecture, the method comprising the steps of:

creating a core product for utilization by a customer, the core product being generic in nature; and

creating a framework for at least one of specializing, replacing, and adding services of the core product, wherein the at least one of specializing, replacing, and adding services does not include alteration of the core product.

13. The method of claim 12, wherein the step of creating a framework comprises the steps of:

creating a first service implementation as defined in an XML configuration;

requesting, by a service client, a service implementation;

creating, by a service factory, the service implementation; and

allowing access, by a service interface, to the service implementation by the service client.

14. The method of claim 13, further comprising the step of specializing the first service implementation by creating a new custom service implementation and subclassing the existing service implementation.

15. The method of claim 14, further comprising the step of overriding select methods of the first service implementation by the new custom service implementation.

16. The method of claim 13, further comprising the step of replacing the first service implementation by creating a new custom service implementation and replacing the first service implementation with the new custom service implementation.

17. The method of claim 13, further comprising adding a new custom service implementation by creating a new custom service implementation, a new custom service factory, a new custom service client, and a new custom service interface.

18. The method of claim 12, further comprising the step of accessing a particular service via at least one middleware.

19. The method of claim 18, wherein the at least one middleware comprises at least one of Web Services, EJB local access, EJB remote access, local Java call access, and MDB message queue access.

20. The method of claim 18, further comprising automatically generating middleware bindings for the at least one middleware during a build operation.

21. The method of claim 20, wherein the step of automatically generating comprises generating the middleware bindings via templates.

22. The method of claim 21, further comprising automatically generating a middleware binding for a new middleware via a new template.